

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: December 15, 2000, 11:30:07 : Search time 176.17 Seconds
(without alignments)
1043.071 Million cell updates/sec

Title: US-09-232-880-326

Perfect score: 1215
Sequence: 1 ggaagactgaagccgcact.....aaaaaaaaaaaaaaaa 1215

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Number of hits satisfying chosen parameters: 524120

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, NA:
1: /cgn2.6/ptodata/2/ina/5A.COMB.seq:*
2: /cgn2.6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2.6/ptodata/2/ina/5C.COMB.seq:*
4: /cgn2.6/ptodata/2/ina/5D.COMB.seq:*
5: /cgn2.6/ptodata/2/ina/6.COMB.seq:*
6: /cgn2.6/ptodata/2/ina/PCRNUS.COMB.seq:*
7: /cgn2.6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1012.4	83.3	1386	4	US-08-897-340-1
2	736	60.6	871	2	US-08-744-026-2
3	736	60.6	871	4	US-09-102-732-2
4	196	16.1	8174	1	US-07-914-281-5
5	196	16.1	8174	1	US-08-393-246-5
6	196	16.1	8174	2	US-08-525-058A-5
7	196	16.1	8174	4	US-08-696-731-5
8	196	16.1	8174	6	PCT-US91-00899-3
9	188.8	15.6	1476	4	US-08-824-874-2
10	158.2	13.0	4060	4	US-08-308-949A-1
11	157	12.9	1089	5	US-08-930-188-1
12	157	12.9	1089	5	US-08-930-188-3
13	157	12.9	1089	6	PCT-US96-04294-1
14	157	12.9	1089	6	PCT-US96-04294-3
15	155.4	12.8	986	3	US-08-557-146-1
16	155.4	12.8	986	4	US-09-154-344-1
17	147.4	12.1	732	2	US-08-361-395-2
18	137.8	11.3	1314	5	US-09-025-059-2
19	133.6	10.9	833	3	US-08-790-137-2
20	103.6	8.5	944	5	US-09-070-526-1
21	100.6	8.3	897	4	US-08-956-267A-1
22	99.4	8.2	825	5	US-09-120-582-1
23	94.6	7.8	957	2	US-08-684-862-11
24	91.4	7.5	1462	1	US-08-358-782D-14
25	91.4	7.5	1462	4	US-08-764-527A-14
26	89.8	7.4	992	1	US-08-358-782D-13

27	89.8	7.4	992	4	US-08-764-527A-13	Sequence 13, Appl
28	89.8	7.4	1729	3	US-08-844-024-1	Sequence 1, Appl
29	89.8	7.4	1729	4	US-08-718-547-1	Sequence 1, Appl
30	85	7.0	711	5	US-08-622-046B-2	Sequence 2, Appl
31	85	7.0	711	5	US-08-622-046B-13	Sequence 13, Appl
32	85	7.0	760	5	US-08-768-859A-7	Sequence 7, Appl
33	85	7.0	760	5	US-08-767-820A-7	Sequence 7, Appl
34	85	7.0	760	6	PCT-US95-06157-9	Sequence 9, Appl
35	85	7.0	766	5	US-08-768-859A-9	Sequence 9, Appl
36	85	7.0	766	5	US-08-767-820A-9	Sequence 9, Appl
37	85	7.0	766	5	US-08-622-046B-6	Sequence 6, Appl
38	85	7.0	766	5	US-08-622-046B-17	Sequence 17, Appl
39	85	7.0	766	6	PCT-US95-06157-9	Sequence 9, Appl
40	85	7.0	832	5	US-08-768-859A-5	Sequence 5, Appl
41	85	7.0	832	5	US-08-768-859A-20	Sequence 20, Appl
42	85	7.0	832	5	US-08-767-820A-5	Sequence 5, Appl
43	85	7.0	832	5	US-08-767-820A-20	Sequence 20, Appl
44	85	7.0	832	5	US-08-622-046B-4	Sequence 4, Appl
45	85	7.0	832	5	US-08-622-046B-15	Sequence 15, Appl

ALIGNMENTS

RESULT 1
US-08-897-340-1
; Sequence 1, Application US/08897340
; Patent No. 5955306
; GENERAL INFORMATION:
; APPLICANT: Gimeno, Carlos J. and Errada, Patrick, R.
; TITLE OF INVENTION: Weight Control Pathway Genes and Uses
; NUMBER OF INVENTIONS: 36
; CORRESPONDENCE ADDRESSES:
; ADDRESS: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/897,340
; FILING DATE:
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/715,032
; FILING DATE: 17-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Silveri, Jean M.
; REGISTRATION NUMBER: 39,030
; REFERENCE/DOCKET NUMBER: MNI-005CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)227-5941
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1386 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; US-08-897-340-1
Query Match 83.3%; Score 1012.4; DB 4; Length 1386;
Best Local Similarity 83.3%; Pred. No. 4.5e+216;
Matches 1190; Conservative 4; Mismatches 7; Indels 147; Gaps 3;

QY 15 cgcacgcgcaagccctgagcagcgagcactgcatgtaagaaacgaattgtctgctgagcg 74
Db 15 CGCACTCGCAGCCCTGGCAGGCGGACATGTCATGGAAGAAATGTTGCTGCTGGGCG 74
QY 75 tctctggtgcatccgcagatggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 123
Db 75 TCTCTGTCATCCGAGTGGGT 123
QY 124 -ctctacacatcgaggt 182
Db 135 GCTCTACACATCGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGGGCTGG 194
QY 183 agatggtgagcagcact 242
Db 195 AGATGTTGAGGCGCAGCT 254
QY 243 acgacatct 302
Db 255 ACGACCTCATCTCATCAAGTTGAGCGAATCCGTCTCGAATCTGACACATCCGAGCA 314
QY 303 tcaacatgtctctgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtgagtg 362
Db 315 TCACGATTTGCTTCCGACGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTCGTC 374
QY 363 tgtctgagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagc 422
Db 375 TGTCTGCGAAGCGCAGATGCTTACGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 434
QY 423 aggggt 482
Db 435 AGGAGGTCTGAGTACGTCATATACCGCTGTCACACCGCAGATGTCGTCGTCGTCG 494
QY 483 gaaggcagaccaaaggaagcactctctctctctctctctctctctctctctctctctct 542
Db 495 GAGGCGAAGACCAAGAGACCTCTGCAAGGCTGACTCTGGGGGCGCCCTGATCTGCAAG 554
QY 543 ggtactgagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcag 602
Db 555 GGTACTTGCAGGGCTGTGTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCTTCT 614
QY 603 ggtctac 661
Db 615 GTGCTACACCAACCTCTGCAAAATTCATGATGATGATGATGATGATGATGATGATGAT 674
QY 662 taactctgagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcagcag 721
Db 675 TAACTCTGGGAGCTGGGAGACCATGAATGACCCCAAAATACATCTCGGGAGGAAAT 734
QY 722 caggaatatctgttccagcagcagcagcagcagcagcagcagcagcagcagcagcag 781
Db 735 CAGGAATATCTGTCTCCAGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 794
QY 782 tctctccctcaaaacaaaggtacagatccccagccctctctctctctctctctctctca 841
Db 795 TCTCTCTTCAACCAAGGTACAGATCCCAAGCCCTCTCTCTCTCTCTCTCTCTCTCTCT 854
QY 842 gaaccccgagccctca 901
Db 855 GACCCCGCAGCCCTCA 914
QY 902 gactcagac----- 911
Db 915 GAGTCCAGACCCCGCAGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCA 974
QY 912 ----- 911
Db 975 GACCCAGGATCCAGACCCCGCAGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1034
QY 912 -----cccccagccct 947
Db 1035 TCCCTCAGACCCAGAGATCCAGATCCCGCAGCCCTCTCTCTCTCTCTCTCTCTCTCT 1094
QY 947 gggccccaacccct 1007

Db 1095 GCCCCAAACCCCT 1154
QY 1008 acccagaggtccaggtcccaagccctctctctctctctctctctctctctctctctct 1067
Db 1155 ACCCAGAGGTCCAGGTACCAAGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 1214
QY 1068 actctccctgacacagcagcagcagcagcagcagcagcagcagcagcagcagcagcag 1127
Db 1215 ACT 1274
QY 1128 tcaatttgcct 1187
Db 1275 TCATTTTGTGCTTCT 1334
QY 1188 aaaaaaaaaaaaaaaaaaaaaa 1215
Db 1335 AAAAAAAAAAAAAAAAAAAAAA 1362

RESULT 2
US-08-744-026-2
Sequence 2, Application US/08744026
Patent No. 5786148
GENERAL INFORMATION:
APPLICANT: Bandman, Olga
TITLE OF INVENTION: A NOVEL PROSTATE-SPECIFIC
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 Porter Drive
City: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: diskette
OPERATING SYSTEM: IBM compatible
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
FILING DATE: US/08/744,026
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 11/5196
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0154 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 871 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY:
CLONE: Consensus
US-08-744-026-2

Query Match 60.6%; Score 736; DB 2; Length 871;
Best local Similarity 98.3%; Pred. No. 7.3e-155;
Matches 742; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
QY 4 gactgtcagccgcgactcgcagcctgtgagcagcagcagcagcagcagcagcagcagcagc 63

```

Db 117 GAGGTGTGACACGATTCACGAGCCCTGAGGCGGCGCTGTCATGGAAGAAATGTT 176
Qy 64 ctgtctggggtctctgtgtatccagatgtgtgtgtgtgtgtgtgtgtgtgtgtgt 123
Db 177 CTGCTGGGGGCTCTGGTGTATCCGAGTGGTGTGTGTGTGTGTGTGTGTGTGTGTGT 236
Qy 124 ctctctacacatctgggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 183
Db 237 CTCTTACACCATGCGGCTGGGCTGACACATGTTGAGCGGACCAAGAGCAGGAGCA 296
Qy 184 gatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 243
Db 297 GATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 356
Qy 244 cgaacctatgtctatcaagtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 303
Db 357 CGACCTCATGNTCATCAAGTTGAGCAATCCGTGTGTGTGTGTGTGTGTGTGTGTGTGT 416
Qy 304 cagcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 363
Db 417 CAGCATGTGNTTCCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 476
Qy 364 gctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 423
Db 477 GCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 536
Qy 424 ggaagtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 483
Db 537 GAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 596
Qy 484 aggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 543
Db 597 AGGGCAAGACCAAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 656
Qy 544 gtactgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 603
Db 657 GTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 716
Qy 604 tgtctacacacacacacacacacacacacacacacacacacacacacacacacacac 663
Db 717 TGTCTACACCAACCTCTGTCAATTTCACTGATGATGATGATGATGATGATGATGATG 776
Qy 664 accctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 723
Db 777 ACCTGTGGGCTGTGGAGATGATGATGATGATGATGATGATGATGATGATGATGATG 836
Qy 724 ggaatatctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 758
Db 837 GGAATATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 871

```

RESULT 3

US-09-102-732-2

Sequence 2: Application US/09102732

Regen.Cano. 5922321

GENERAL INFORMATION:

APPLICANT: Bandman, Olga

TITLE OF INVENTION: A NOVEL PROSTATE-SPECIFIC

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

STREET: 3174 Porter Drive

CITY: Palo Alto

STATE: CA

COUNTRY: US

ZIP: 94304

COMPUTER READABLE FORM:

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

```

SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/102,732
FILING DATE: 6/22/98
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/744,026
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0154 US
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 871 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY:
CLONE: Consensus
US-09-102-732-2

```

Query Match

60.6%; Score 736; DB 4; Length 871;

Best Local Similarity 98.3%; Pred. No. 7.3e-155;

Matches 742; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

```

Qy 4 ggaatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 63
Db 117 GGAATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 176
Qy 64 ctgtctggggtctctgtgtatccagatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 123
Db 177 CTGCTGGGGGCTCTGGTGTATCCGAGTGGTGTGTGTGTGTGTGTGTGTGTGTGTGT 236
Qy 124 ctctctacacacacacacacacacacacacacacacacacacacacacacacacacac 183
Db 237 CTCTTACACCAACCTCTGTCAATTTCACTGATGATGATGATGATGATGATGATGATG 296
Qy 184 gatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 243
Db 297 GATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 356
Qy 244 cgaacctatgtctatcaagtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 303
Db 357 CGACCTCATGNTCATCAAGTTGAGCAATCCGTGTGTGTGTGTGTGTGTGTGTGTGTGT 416
Qy 304 cagcatgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 363
Db 417 CAGCATGTGNTTCCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 476
Qy 364 gctgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 423
Db 477 GCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 536
Qy 424 ggaagtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 483
Db 537 GAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 596
Qy 484 aggtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 543
Db 597 AGGGCAAGACCAAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 656
Qy 544 gtactgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgt 603
Db 657 GTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 716
Qy 604 tgtctacacacacacacacacacacacacacacacacacacacacacacacacacac 663

```



```

; MOLECULE TYPE: DNA (genomic)
; ANTI-SENSE: NO
US-08-696-731-5

```

Query Match	16.1%;	Score 196;	DB 4;	Length 8174;
Best Local Similarity	80.7%;	Pred. No. 6.2e-35;		
Matches 281; Conservative	0;	Mismatches 55;	Indels 12;	Gaps 4

QY	719	atcaggaaatctcgtttccagagcccccctccctccagagccagagatccagagcccccagc	778
Db	1025	ACTTAGAGTCCAGGCTCCGGGCCCTCTCTCTCAACCCAGAGTCCAGGCCCTTGC	966
QY	779	ccctccctccctccaaacaaag-gtaagatcccaagccctctccctccagaccagag	837
Db	965	CCCTCTCTCTCAACCCAGAGTCCAGAGCCCAAGCCCTCTCTCTCAACCCAGAG	906
QY	838	tccagagccccagccctctccctccctagaccagagatccag-----ccctccctc	889
Db	905	TCCAGA-TCCCTACCCCTACTCCTCTAGACCAGAGTCCACCAAGTCTCCTCTAC	847
QY	890	ccttagagaccagagatccagagccccccagccctctccctccagaccagaggttcagagc	949
Db	846	CCCTAGAGCCAGGAGCCCAAGTTCCACGAGCCCTCTCTCTCAAGTCCAGAGTACAGG-	786
QY	950	cccccaaccctctccctccctccagatccagagttccaaagcccccaaccctctcccccagc	1009
Db	787	-CCCAAGCCCTCTCTCTCTAGACCCAGAGATCCAGAGGCCCCCAACCCCTCTCTCTAGAC	729
QY	1010	ccagagatccagatgccagagccctctccctccctccagaccagaggtccaa	1057
Db	728	CCAGAGTCCAGAGCCCAAGCCCTCTCTCTCTCAACCAACAAGGCTTA	681

RESULT 8
PCT-US91-00899-3/c
; Sequence 3, Application PC/TUS9100899

GENERAL INFORMATION:
APPLICANT : Lowe, John B.
TITLE OF INVENTION: Method and Products For the Synthesis of
Oligosaccharide Structures on Glycoproteins, Glycolipids,
or as Free Molecules, and For the Isolation of Cloned
Genetic Sequences That Determine These Structures
NUMBER OF SOURCES: 16

CORRESPONDENCE ADDRESS:
ADDRESSEE: OBOLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT
ADDRESSEE: P.C.
STREET: 1755 Jefferson Davis Highway, Suite 400
City: Arlington
STATE: Virginia
ZIP: 22202

```

1. COMPUTER READABLE FORM:
2. MEDIUM TYPE: Floppy disk
3. COMPUTER: IBM PC compatible
4. OPERATING SYSTEM: PC-DOS/MS-DOS
5. SOFTWARE: PatentIn Release #1.0, Version #1.25
6. CURRENT APPLICATION DATA:
7. APPLICATION NUMBER: PCT/US91/00899
8. FILING DATE: 19910214

```

CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Lavalleye Ph.D., Jean-Paul
REGISTRATION NUMBER: 31,451
REFERENCE/DOCKET NUMBER: 2363-021-55 PCT
TELECOMMUNICATION INFORMATION:

```

TELEPHONE: (703)521-5940
TELEFAX: (703)486-2347
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 3
SEQUENCE CHARACTERISTICS:
LENGTH: 8174 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: unknown

```

```

? TOPOLOGY: unknown
? MOLECULE TYPE: CDNA
? HYPOTHEetical: NO
? ORIGINAL SOURCE:
? ORGANISM: Homo sapiens
? TISSUE TYPE: Blood
? FEATURE:
? NAME/KEY: misc_feature
? LOCATION: 4686..5780
? OTHER INFORMATION: /label= mat_peptide
PCT-US91-00899-3

```

Query Match	16.1%	Score 196;	DB 6;	Length 8174;
Best Local Similarity	80.7%;	Pred	NO.6.2e-35;	
Matches 281;	Conservative	0;	Mismatches 55;	Indels 12; Gaps 4

QY	719	attcagagatctcgttccagcccctccctcccaagcccaagatcagagccagc	718
Db	1025	ACTTAGAGGTCCAGGCTCCGGCCCCCTCTTCCTCAACCCAGAGTCCAGCCCCCTGC	966
QY	779	ccctctccctccataaccaag-gtacagatcccaagcccctctccctcagaccagag	837
Db	965	CCCTCTCTCTCAACACCAGAGTCCAGGACCACCGCCCTCTCTCTCAACACCAGAG	906
QY	838	tccagacccccagcccctctccctcctagaccagagatccag-----ccctccctc	889
Db	905	TCGAGA-TCCTTACCCCTACTCTCTTCAAGCCAGAGTCCAGACCAGAGCTCCCTCTC	847
QY	830	ccctagaccagagatccagacccccccagcccctctccctcagaccagaggtccagc	949
Db	846	CCTCAGACCAGGAGCCCAAGTTCCCCAGGCCCTCTCTCTCAAGTCAAGAGTAAAG-	786
QY	950	ccccacccctctccctcctcagatcagaggtccaagcccccaacccctcttccccagc	1001
Db	787	-CCCAGACCTCTCTCTCTCAAGACCAAGAGTCCAGGCCCCCAACCCCTCTCTCTAGAC	729
QY	1010	ccagaggtcagaggtcccaagcccctctctccctcctcagaccagcgttccaa	1057
Db	728	CCAGAGTCCAGAGCCCAAGCCCTCTCTCTCTCAAGACCAAGAGGCTTA	681

RESULT 9
US-08-824-874-2
; Sequence 2, Application US/08824874

PATENT NO. 5962300
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Lal, Preeti
TITLE OF INVENTION: NOVEL KALLIKREIN
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESS: Incyte Pharmaceuticals, Inc
ADDRESS: 1710

STREET: 3114 PORTER DRIVE
 CITY: PALO ALTO
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FASTSEE for Windows Version 2.0.0
 CURRENT APPLICATION DATA:

1 APPLICATION NUMBER: 05/06/824,874
2 FILING DATE: Filed Herewith
3 CLASSIFICATION: 514
4 PRIOR APPLICATION DATA:
5 APPLICATION NUMBER:
6 FILING DATE: 2/26/97
7 ATTORNEY/AGENT INFORMATION:
8 NAME: Billings, Lucy J.
9 REGISTRATION NUMBER: 36,749


```

QY      79          ggtcattccggaagtgaggctgcatacgcaacactgtttccagaacctccaaccatcgg 138
Db      797          ggtcattatagggcttggggcttcattcgtccgcccatctgcacaagtatgatatgacacccgtgca 738
QY      139         gcctggagcctgcacagctctttagagccgaaaccaagagccagagagccaga ttgttggagggcacg 198
Db      737          cctggggcagtgatgacgcttgggcgcacagagagag-----ctcagagtgatcacaaggccctc 667
QY      199         ccctctcgttaagggacccccagagatcacacagaacctgtcgtctgaagaacctcatgtctcat 258
Db      686          gaagctcattccggccacccccgtcctcctccacacacagaccatgtpaatgacctcattgctcgt 627
QY      259         caagttgagcaaatccgtgtgcagcttgtgaacacatccggagatcaagatcaagatcttgca 318
Db      626          gaaactcattatgccaagccagccagcctgttatccatgctgaagaagaaatcagctgacctcccg 567
QY      319         gtgccttacgcgvcggagaaactctgacctgttctctgtcgttgggtctgtgcga-----a 372
Db      566          ctgggaacccccctggaaacacactctactgtctccgtccggcttgggggcactgacacagagccaga 507
QY      373         cgagcaaatgcctaacgltgcagtcgagtcggtgaacgvtgcgtgggtgtctcgaagaaagtctg 432
Db      506          tgtgaccttttccctctgacctcattgctgagtgctgagatgctcaactcatctcctcccccagagactg 447
QY      433         cagtaagctctatgacccgcgtgatacccccacccacagatgttcttgccgvcggagagggcaaga 482
Db      446          cacgaagcttattacaagacattactggaaaaattccatctctgtggcgtggcattcccccagctc 387
QY      493         ccagaagagcctcctgcacaagctgagctcttgaggggccccctgactctgcacaaggtacttga 552
Db      386         caagaaaaaaccccttgcattggtgactcagaggggacacctgtgtgtgcagagactgacctgca 327
QY      553         ggagccttgctctcttggaanaagccccgtgtlbgccaagtltggcgtlbgcagagtlctaac 612
Db      326         aggtctgggtgcttggggaaacttctccttgaggggcacaaccaaagaccagagagctatcac 267
QY      613         caacctctgcaaatcaatcaatgagtgatagagaagaacctg 651
Db      266         tcaagcttgcagaagtgcacacaaagtgtgatatgacacacat 228

RESULT   13
PCT-US96-04294-1/c
Sequence 1, Application PC/RUS9604294
GENERAL INFORMATION:
APPLICANT: Dixon, Eric P.
APPLICANT: Johnstone, Edward M.
APPLICANT: Little, Sheila P.
TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN PROTEASE AND
NUMBER OF SEQUENCES: 3
RELATED NUCLEIC ACIDS
CORRESPONDENCE ADDRESS:
ADDRESSEE: Eli Lilly and Company
STREET: Lilly Corporate Center
CITY: Indianapolis
STATE: Indiana
COUNTRY: United States of America
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/04294
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/416,257
FILING DATE: 04-Apr-1995
ATTORNEY/AGENT INFORMATION:
NAME: Blalock, Donna K.
REGISTRATION NUMBER: 38,082

```

```

REFERENCE/DOCKET NUMBER: 8X239
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-277-1090
TELEFAX: 317-276-3861
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1089 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA
PCT-US96-04294-1

Query Match      12.9%, Score 157, DB 6, Length 1089,
Best Local Similarity 55.4%, Pred. No. 1.7e-26;
Matches 354; Conservative 0; Mismatches 270; Indels 15; Gaps 2.

QY 19 ctgcgaagccctggcagcagcgccactgtgtatggaataacgaatgtctctgtctggcgctct 78
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 857 CTCGCCACCATGAGCAGGTGGCCCTCTCATGTGCAATCAGCTCCACTGTCGAGAGGCGTCT 798
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 79 gttgatcccgacgagttgtgtgtctgacgcgcacacgattctccaaactccctacacatg 138
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 797 GGTCAATAGAGCGCTGGGTGCTCTACTGTCCGCCACCTGCAAGATGAATGAGTAAACCCGTGA 738
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 139 gctggcgctctgcacagctcttgaaaggcgcgaacaaagacgaaggacagatggtgaaaggccag 198
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 737 CCTGGCGAGTGTATGCTGGGCGGACAGAGAG-----CTCAGAGAGATCAAGGCGTCT 687
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 199 cctctcgttaaggcaccacagagataacacagcccttgctctgcttaacagactatgctcat 258
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 686 GAAGTCATTTCCGCCACCCCGGCTACTCCACACAGACCCTATGTTAATGACTCATCTCTCT 627
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 259 caagtgtgacgaatccgctgtctcagagctctgcacacacacccagacatcagatctgtctgca 318
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 626 GAAGCTCAATAGCCACAGGCCAGGCTGTCTCATCCATGGGTGAAGAAAGTCAAGGCTCCCTCCG 567
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 319 gtgcctctacgcggggaaactctgctcgtttctctgtctgaggtctgctgtgcga-----a 372
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 566 CTGCGAACCCCTGGAACACCACTGTACTGTCTCCGGCTGGGGCACTACACACAGCCGACA 507
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 373 cggcgaatgctctacgctgtctgcaagtgcgtgaacgltgtcgtgtgtgtctgaaagagttctg 432
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 506 TGTGACCTTTCCCTCTGACCTCATGTGTGGATGTCAAGCTCATCTCCCCACAGAGACTG 447
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 433 cagtaagctctatgaccccgctgtacacaccccaatgtctctgcccgcggcgagggcaaga 492
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 446 CACGAAGGTTTACAAAGGACTTAAGTGAATAATTCATCTGTGTGGCTGGATCCCGGACTC 387
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 493 ccagaagaagccctctcaacagtgactctggggggggccctgatactctcaacaggttacttga 552
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 386 CAAAGAAAACCGCTTGCAATGTGTACTCAGGGGAGACCGTTGGTGTCTCAGAGTAACTCTGA 327
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 553 gggcctgtgtcttctcgaaaaagcccgltgtggccaagtgtgacagltgtgcaagltgtctaac 612
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 326 AGGCTGTGTGTCGTCGGGAACTTTCCTTTGGCGGCAACCAACCAATGACCCAGAGCTTCAC 267
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

QY 613 caactctcgaaatctcactgagtgtgatatgagaanaacgt 651
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 266 TCAAGTCTGCAAGTTCACCAAGTGATGATAATGACACCAT 228
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||

RESULT 14
PCT-US96-04294-3/c
Sequence 3, Application PC/TUS9604294
GENERAL INFORMATION:
APPLICANT: Dixon, Eric P.
APPLICANT: Johnstone, Edward M.
APPLICANT: Little, Sheila P.
TITLE OF INVENTION: AMYLOID PRECURSOR PROTEIN PROTEASE AND
RELATED NUCLEIC ACIDS
NUMBER OF SEQUENCES: 3

```


THIS PAGE BLANK (USPTO)